

# The environment; STOP CO<sub>2</sub>

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# WHAT CLIMATE CHANGE IS?

## WHAT IS IT?

It refers to long term changes in temperatures and weather patterns

## WHAT FACTORS CAUSE IT?

There are two different kind of factors, they can be natural or caused by human activities.

-The earth's orbit, solar radiation, ocean circulation and volcanic eruptions are natural factors, that can cause the drought, floods and glaciations.

-Human activities like generation of electricity and heat, using fossil fuels, deforestation and the plastic problem.



# HOW CLIMATE CHANGE AFFECTS THE SEA AND THE MARINE LIFE?

Marine macrophytes are the foundation of algal forest and posidonia meadows. For marine macrophytes, temperature is generally the most important range limiting factor, and ocean warming is considered the most severe threat among global climate change causes.

It is a problem for marine life because it changes the fishing migrations routes and the chemical composition of the ocean (including the food supplies). Which leads to a diminution of the sea fauna.





# AND FOR POSIDONIA MEADOWS?

This is linked to the warming of the waters and marine pollution. If the sea temperature is above 28,5 °C the posidonia starts to die.

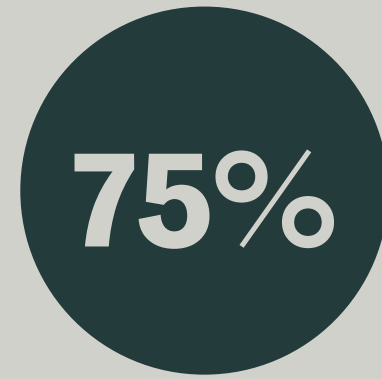
Due to the high temperature some invasive algas can start to grow where the posidonia is located and don't let it breed, they also don't let the light arrive to the sea plant.





# WHY POSIDONIA MEADOWS ARE IMPORTANT TO REDUCE CLIMATE CHANGE?

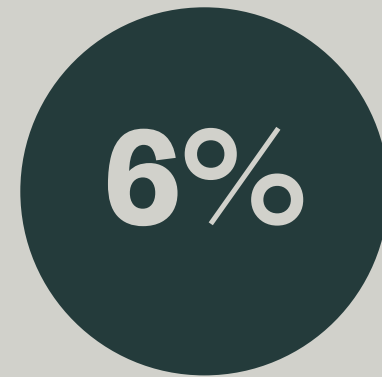
It helps a lot for the health of the sea, as a house for millions of fish, and because it changes the motion of the currents



it is composed by cellulose



it absorbs the excess of CO2 of the ocean



of posidonia in the world disappears every year



of posidonia is going to disappear in the next 40 years.





Thank you

